

Notice of Allowability

Application No.

10/771,757

Applicant(s)

PERIC, SINISA

Examiner

Wen W. Huang

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/27/06.
2. ☒ The allowed claim(s) is/are 1-53.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with, applicant's representative, Jon Christensen on 2/12/07.
3. The application has been amended as follows:
In claim 21, 33rd line, "f) means" is deleted and "g) means" is inserted.

Allowable Subject Matter

4. Claims 1-53 are allowable over the cited prior art.
5. The following is an examiner's statement of reasons for allowance:

Regarding **claims 1 and 21**, prior art of record shows a method and apparatus for measurement and identification of base stations transmitting on the same channel, thus interfering with each other, in a GSM cellular wireless network wherein a plurality of base stations each transmit a 51-multiframe signal including a plurality of FCCH bursts,

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a plurality of SCH bursts and a plurality of BCCH bursts (see Sander, para. [0009] and [0012]), the method comprising:

a) receiving signals within the intended coverage zone of the GSM cellular wireless network (see Sander, para. [0035], lines 1-4 and para. [0036], line 7);

b) correlating the received signals with an FCCH burst waveform signal to identify a set of FCCH correlation peaks therein (see Sander, para. [0046], lines 4-8 and para. [0083]);

c) for each given FCCH correlation peak within said set of FCCH correlation peaks, generating data representing time-of-arrival and power level for the given FCCH correlation peak, and adding said data to a data file (see Sander, para. [0046], lines 11-14);

e) for at least one given FCCH correlation peak within said set of FCCH correlation peaks, scheduling SCH burst decoding operations for a time window derived from the time-of-arrival of the given FCCH correlation peak (see Sander, para. [0086], lines 5-7);

f) performing SCH burst detection and decoding operations on said signals during each time window scheduled in d) to thereby identify BSIC data and RFN data encoded in a given SCH burst detected within said signal (see Sander, para. [0048]), and adding time-of-arrival data, said BSIC data and a frame number data based on said RFN data for the given SCH burst to the data file (see Sander, para. [0093], lines 8-15);
and

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g) for each given SCH burst successfully detected and decoded in e), identifying a plurality of time-of-arrival windows within the 51-multiframe based upon the time-of-arrival data and frame number data of the given SCH burst, and updating the data file to associate the BSIC data and frame number data for the given SCH burst with the power level data for each FCCH correlation peak whose time-of-arrival falls within said plurality of time-of-arrival windows of the 51-multiframe (see Sander, para. [0046], lines 11-14, para. [0093], lines 16-21 and para. [0095], lines 1-4).

However, prior art of record is silent to teaching

d) determining whether any FCCH correlation peak of the set satisfies a certain detection threshold and, if not, then repeating at least some of steps a) to d).

Regarding **claim 42**, prior art of record shows a method for measurement and identification of base stations transmitting on the same channel, thus interfering with each other, in a cellular wireless network wherein downstream signals from base stations to users are communicated in frames and include fixed signal waveforms and information that identifies base stations (see Sander, para. [0009] and [0012]), the method comprising:

a) receiving signals within the intended coverage zone of the cellular wireless network (see Sander, para. [0009] and [0012]);

b) detecting known signal waveforms in the received signals (see Sander, para. [0046], lines 4-8 and para. [0083]);

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c) for each detected signal waveform, logging time-of-arrival and power level data for the detected signal waveform to a data file (see Sander, para. [0046], lines 11-14);

e) detecting and decoding data that identifies a base station in the cellular wireless network (see Sander, para. [0048]); and

f) identifying a plurality of time-of-arrival windows based on data generated in d), and updating the data file to associate the data generated in d) with power level data of detected signal waveforms whose time-of-arrival falls within said plurality of time-of-arrival windows (see Sander, para. [0046], lines 11-14, para. [0093], lines 16-21 and para. [0095], lines 1-4).

However, prior art of record is silent to teaching

d) determining whether any detected signal waveform satisfies a certain detection threshold and, if not, then repeating at least some of steps a) to d).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

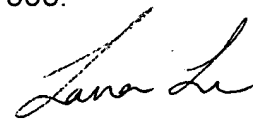
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen W. Huang whose telephone number is (571) 272-7852. The examiner can normally be reached on 10am - 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay A. Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

wwh


2/12/07


2-15-07

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